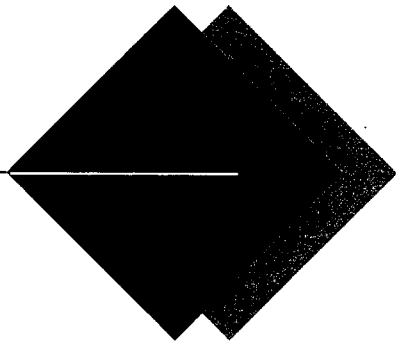
Operating Instructions

English

Microwave/Grill Oven



NN-J458

Panasonic®

Before operating this oven, please read these instructions carefully.

Installation and Connection

Examine your microwave oven

Unpack the oven, remove all packing material, and examine the oven for any damage such as dents, broken door latches or cracks in the door. If you find any damage, notify your dealer immediately. Do not install a damaged microwave oven.

Earthing instructions

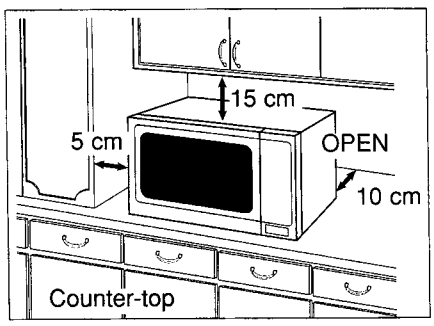
IMPORTANT: THIS UNIT HAS TO BE PROPERLY EARTHED FOR PERSONAL SAFETY.
If your AC outlet is not grounded, it is the personal responsibility of the customer to have it replaced with a properly grounded wall socket.

Operation voltage

The voltage has to be the same as specified on the label on the oven. If a higher voltage than specified is used, it may cause a fire or other damages.

Placement of the Oven

1. Place the oven on a flat and stable surface, more than 85 cm above the floor.
2. When this oven is installed, it should be easy to isolate the appliance from the electricity supply by pulling out the plug or operating a circuit breaker.
3. For proper operation, ensure a sufficient air circulation for the oven.
   Counter-top use:
   a. Allow 15 cm of space on the top of the oven, 10 cm at the back and 5 cm on one side, and the other side must be opened more than 40 cm.
   b. If one side of the oven is placed flush to a wall, the other side or top must not be blocked.



Built-in

This oven may be built into a wall cabinet by using the proper trim kit, white NN-TKK55, black NN-TKK15, which may be purchased from a local Panasonic dealer.

4. Do not place this oven near an electric or gas cooker range.
5. The feet should not be removed.
6. This oven is only for household usage. Do not use outdoors.
7. Avoid using the microwave oven in high humidity.
8. The power cord should not touch the outside of the oven. Keep the cord away from hot surfaces. Do not let the cord hang over the edge of a table or work top. Do not immerse the cord, plug or oven in water.
9. Do not block the air vents on the top and back of the oven. If these openings are blocked during operation the oven may overheat. In this case the oven is protected by a thermal safety device and resumes operation only after cooling down.

WARNING

1. The door seals and door seal areas should be cleaned with a damp cloth.
   The appliance should be inspected for damage to the door seals and door seal areas and if these areas are damaged the appliance should not be operated until it has been repaired by a service technician trained by the manufacturer.
2. Do not attempt to tamper with or make any adjustments or repairs to the door, control panel housing, safety interlock switches or any other part of the oven. Do not remove the outer panel from the oven which gives protection against exposure to microwave energy.
   Repairs should only be done by a qualified service person.
3. Do not operate this appliance if it has a damaged CORD OR PLUG, if it is not working properly, or if it has been damaged or dropped. It is dangerous for anyone other than a service technician trained by the manufacturer to perform repair service.
4. If the supply cord of this appliance is damaged, it must be replaced with the special cord available from the manufacturer.
5. Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.

Safety Instructions

English

Use of your oven

1. Do not use the oven for any reason other than the preparation of food. This oven is specifically designed to heat or cook food. Do not use this oven to heat chemicals or other non-food products.
2. Before use, check that utensils/containers are suitable for use in microwave ovens.
3. Do not attempt to use this microwave oven to dry newspaper, clothing or any other materials. They may catch on fire.
4. When the oven is not being used, do not store any objects other than oven accessories inside the oven in case it is accidentally turned on.
5. The appliance shall not be operated by MICROWAVE or COMBINATION WITHOUT FOOD IN THE OVEN. Operation in this manner may damage the appliance. The exception to this is Heater Operation, point 1.
6. If smoke or a fire occurs in the oven, press Stop/Cancel button and leave the door closed in order to stifle any flames. Disconnect the power cord, or shut off power at the fuse or the circuit breaker panel.

Heater Operation

1. Before using COMBINATION or GRILL function for the first time, wipe excessive oil off in the oven cavity and operate the oven without food and accessories on Grill, for 5 minutes. This will allow the oil that is used for rust protection to be burned off. This is the only time the oven is used empty.
2. Exterior oven surfaces, including air vents on the cabinet and the oven door will get hot during COMBINATION and GRILLING, take care when opening or closing the door and when inserting or removing food and accessories.
3. The oven has two heaters situated in the top of the oven. After using the COMBINATION and GRILL function, these surfaces will be very hot.
   N.B. After cooking by these modes, the oven accessories will be very hot.
4. The accessible parts may become hot when the grill is in use. Children should be kept away.

Fan Motor Operation

If the oven gets hot after use, the fan may rotate for 1 minute to cool the electric components. This is perfectly normal, and you can take out the food from the oven while the fan is still in operation.

Oven Light

When it becomes necessary to replace the oven light, please consult your dealer.

Accessories

The oven comes equipped with a variety of accessories. Always follow the directions given for use of the accessories.

Glass Tray

1. Do not operate the oven without the roller ring and the glass tray in place.
2. Never use another type of glass tray than the one specially designed for this oven.
3. If the glass tray is hot, let it cool before cleaning or placing in water.
4. The glass tray can turn in either direction.
5. If the food or cooking vessel on the glass tray touches the oven walls and stops the tray rotating, the tray will automatically rotate in the opposite direction. This is normal.
6. Do not cook foods directly on the glass tray.

Roller Ring

1. The roller ring and the oven floor should be cleaned frequently to prevent noise and build-up of remaining food.
2. The roller ring must always be used for cooking together with the glass tray.

Wire Rack

1. The Wire Rack is used to facilitate browning of small dishes and help with the good circulation of the heat.
2. Do not use any metal container directly on the Wire Rack in COMBINATION with MICROWAVE.

Important Information

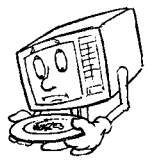
1) Cooking Times

- Cooking times given in the cookbook are approximate. The cooking time depends on the condition, temperature, amount of food and on the type of cookware.
- Begin with the minimum cooking time to help prevent overcooking. If the food is not sufficiently cooked you can always cook it for a little longer.

N.B.: If the recommended cooking times are exceeded the food will be spoiled and in extreme circumstances could catch fire and possibly damage the interior of the oven.

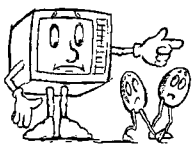
2) Small Quantities of Foods

- Small quantities of food or foods with low moisture content can burn, dry out or catch on fire if cooked too long. If materials inside the oven should ignite, keep the oven door closed, turn the oven off and remove the plug from the socket.



3) Eggs

- Do not cook eggs in their shells and whole hard-boiled eggs by MICROWAVE. Pressure may build up and the eggs will explode.



4) Piercing Skin

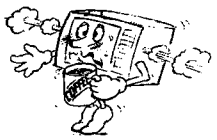
- Food with non porous skins, such as potatoes, egg yolks and sausages must be pierced before cooking by MICROWAVE to prevent bursting.

5) Meat Thermometer

- Use a meat thermometer to check the degree of cooking of roasts and poultry only when the meat has been removed from the oven. Do not use a conventional meat thermometer when using MICROWAVE or COMBINATION because it may cause sparking.

6) Liquids

- When heating liquids, e.g. soup, sauces and beverages in your microwave oven, overheating the liquid beyond boiling point can occur without evidence of bubbling. This could result in a sudden boil over of the hot liquid. To prevent this possibility the following steps should be taken:



a) Avoid using straight-sided containers with narrow necks.

b) Do not overheat.

c) Stir the liquid before placing the container in the oven and again halfway through the cooking time.

d) After heating, allow it to stand in the oven for a short time, stir again before carefully removing the container.

7) Paper/Plastic

- When heating food in plastic or paper containers, check the oven frequently as these types of containers ignite if overheated.

- Do not use recycled paper products (e.g. Kitchen Roll) unless the paper product is labelled as safe for microwave oven use. Recycled paper products may contain impurities which may cause sparks and/or fires during use.
- Remove wire twist-ties from roasting bags before placing the bags in the oven.

8) Utensils/Foil

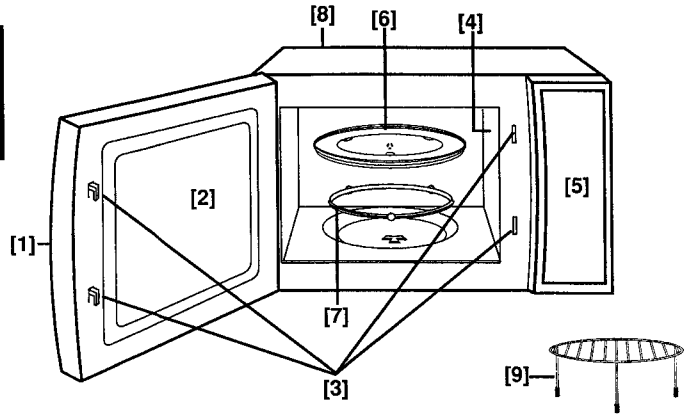
- Do not heat any closed cans or bottles because they might explode.
- Metal containers or dishes with metallic trim should not be used during Microwave cooking. Sparking will occur.
- If you use any aluminium foil, meat spikes or metalware the distance between them and the oven walls and door should be at least 2 cm to prevent sparking.

9) Feeding Bottles/Baby Food Jars

- The top and teat must be removed from feeding bottles or baby food jars before placing in the oven.
- The contents of feeding bottles and baby food jars are to be stirred or shaken.
- The temperature has to be checked before consumption to avoid burns.

English

Outline Diagram

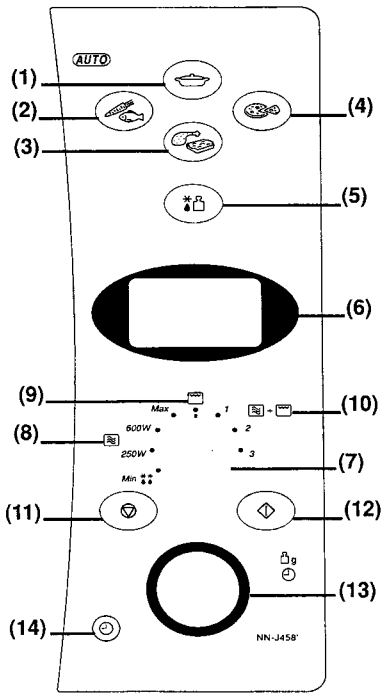


[1] Pull Door Handle
Pull to open the door. When you open the oven door during cooking, the cooking is stopped temporarily without clearing earlier made settings. The cooking is resumed as soon as the door is closed and the Start Button pressed.
The oven lamp lights as soon as the oven door is opened.

[2] Oven Window
[3] Door Safety Lock System
[4] Oven Air Vent
[5] Control Panel
[6] Glass Tray
[7] Roller Ring
[8] External Oven Air Vents
[9] Wire Rack

Control Panel

NN-J458



(1) Auto Weight Reheat
(2) Auto Weight Cook
(3) Auto Weight Combination
(4) Auto Weight Pizza
(5) Auto Weight Defrost
(6) Display Window
(7) Mode Selector Dial
(8) Microwave Power
(9) Grill Power
(10) Combination Power
(11) Stop/Cancel Button:
Before cooking: one press clears your instructions.
During cooking: one press temporarily stops the cooking program. Another press cancels all your instructions and the time of day will appear in the display.

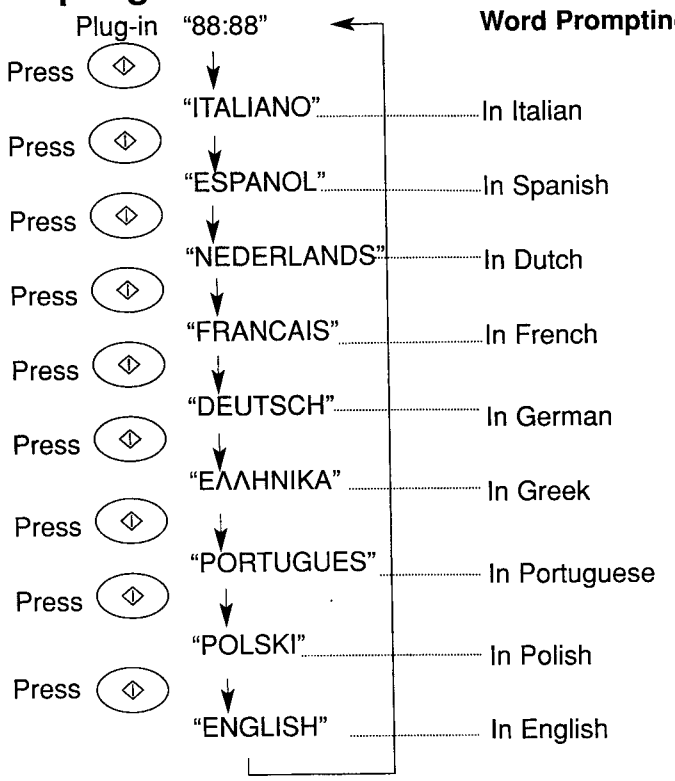
(12) Start Button:
Press to start operating the oven.
If during cooking the door is opened or Stop/Cancel Button is pressed once, the Start Button has to be pressed again to continue cooking.

(13) Time/Weight Dial
(14) Clock/Timer Button

Beep Sound:
A beep sounds when a button is pressed. If this beep does not sound, the setting is incorrect. When the oven changes from one function to another, two beeps sound. After completion of cooking, five beeps sound.

Controls and Operation Procedure

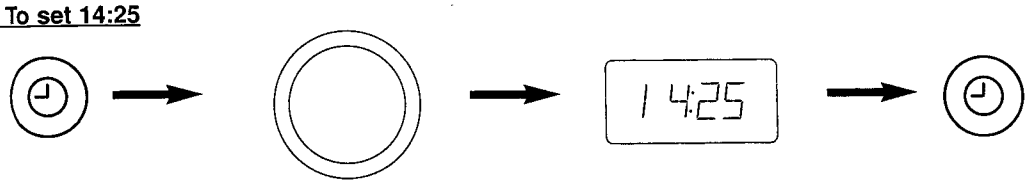
Word Prompting:



This model has a unique function "Word Prompting" which guides you through the operation of your microwave. After plugging in the oven press the Start Button until you locate your language. As you press the buttons, the display will scroll the next instruction eliminating the opportunities for mistakes.
If for any reason you wish to change the language displayed, unplug the oven and repeat this procedure.

Clock Setting:

Example: To set 14:25



- **Press Clock/Timer Button twice.**
  ☛ The colon starts to blink.
- **Enter the time by turning the Time/Weight Dial.**
  ☛ The time appears in the display and the colon blinks.
- **Press Clock/Timer Button.**
  ☛ The colon stops blinking and the time of day is entered.

NOTE:

1. To reset the time of day repeat all the above steps.
2. The time of day is displayed, unless the power supply is interrupted.
3. This clock has a 24 hour display.
4. The light in the Display Window will no longer be illuminated after 10 seconds. to illuminate press Stop or Start Button once.

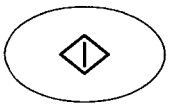
Controls and Operation Procedure

English

Child Safety Lock:

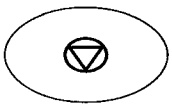
Using this system will make the oven controls inoperable; however, the door can be opened. Child Lock can be set when the display shows a colon or the time.

To Set:



- **Press Start Button three times.**
  - ☛ The time of day will disappear. Actual time will not be lost.
    A ✻ is indicated in the display.

To Cancel:

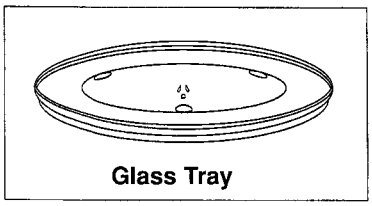


- **Press Stop/Cancel Button three times.**
  - ☛ The time of day will reappear in the display.

Microwave Cooking and Defrost

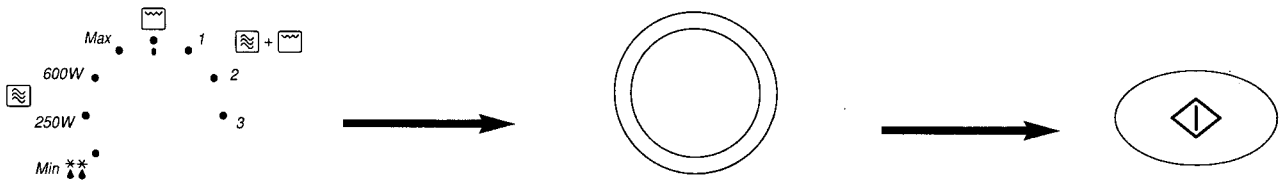
There are 4 different microwave power levels available. The chart below shows the approximate wattage for each power level.

Use of accessory:



Glass Tray

Power Level	Wattage
MAX (HIGH) Power	800W
MEDIUM Power	600W
SIMMER Power	250W
MIN (DEFROST) Power	270W



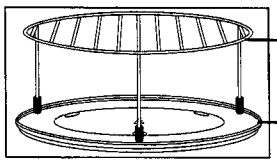
- **Turn Mode Selector Dial to your desired power level.**
- **Set the cooking time using the Time/Weight Dial (up to 99 minutes).** The display will alternate between the start prompt, the power level and the set cooking time.
- **Press Start Button.**

NOTE:

1. You can change the cooking time during cooking, if required. Turn Time/Weight Dial to increase/decrease the cooking time. Time can be increased/decreased in 1 minute increments, up to 10 minutes. Turning the dial to zero will end cooking.
2. You can change the cooking mode during cooking, if required. Turn the mode selector dial to the desired mode and power level.

Grilling

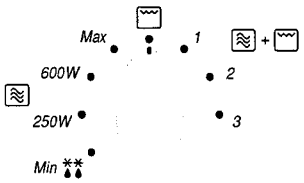
Use of accessory:

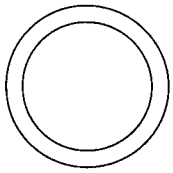


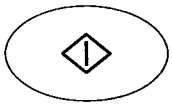
Wire Rack

Glass Tray

The Grill provides 1 Grill setting of 1100W.







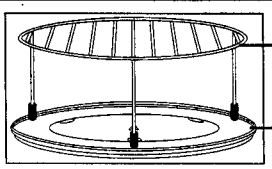
- **Turn Mode Selector to Grill setting.**
- **Set the cooking time using the Time/Weight Dial (up to 99 minutes).** The display will alternate between the start prompt and the set cooking time. The grill symbol and the Wire Rack will also be displayed.
- **Press Start Button.**

NOTE:

1. The Grill will only operate with the oven door closed.
2. You can change the cooking time during cooking, if required. Turn Time/Weight Dial to increase/decrease the cooking time. Time can be increased/decreased in 1 minute increments, up to 10 minutes. Turning the dial to zero will end cooking.
3. You can change the cooking mode during cooking, if required. Turn mode selector dial to the desired mode and power level.

Combination Cooking

Use of accessory:

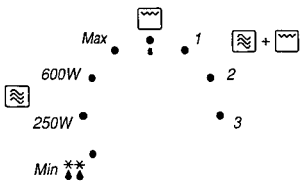


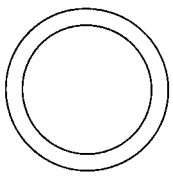
Wire Rack

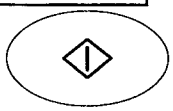
Glass Tray

There are 3 combination settings. The following chart shows approximate wattage for each power level.

Combination Setting	Grill	Microwave
1	900W	100W
2	700W	250W
3	500W	440W







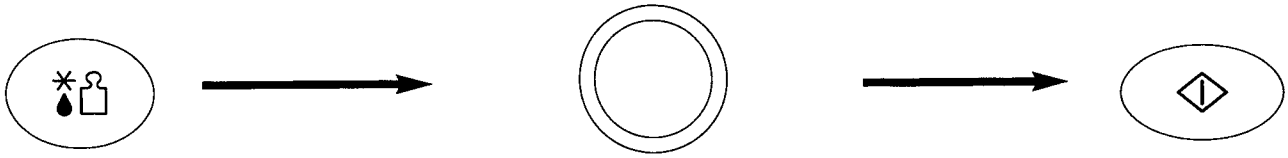
- **Turn Mode Selector to desired Combination setting.**
- **Set the cooking time using the Time/Weight Dial (up to 99 minutes).** The display will alternate between the start prompt, combination level and the set cooking time. The microwave, grill symbol and Wire Rack are also displayed.
- **Press Start Button.**

NOTE:

1. The Grill will only operate with the oven door closed.
2. You can change the cooking time during cooking, if required. Turn Time/Weight Dial to increase/decrease the cooking time. Time can be increased/decreased in 1 minute increments, up to 10 minutes. Turning the dial to zero will end cooking.
3. You can change the cooking mode during cooking, if required. Turn mode selector dial to the desired mode and power level.

Auto Defrost

With this feature you can defrost frozen foods according to the weight. Select the category and set the weight of the food. The weight is programmed in grams. For quick selection, the weight starts from the most commonly used weight for each category.



- **Select the desired Auto Defrost Program.**
  1 press for small pieces
  2 presses for big piece
- **Set the weight of the frozen food by using the Time/Weight dial.**
  Turn clockwise, weight counts-up in 10g increments.
  Turn anti-clockwise, weight counts-down in 10g increments.
- **Press Start Button.**

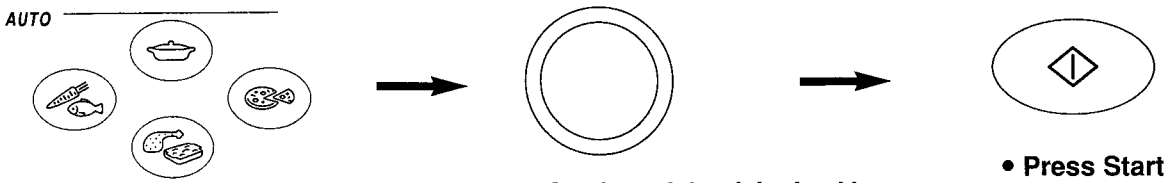
Program	Weight	Suitable Foods
1. Small Pieces	100 - 1500g	**Small pieces of meat, escallop, sausages, minced meat, fish fillets, steaks, chops** (each 100g to 400g). Turn at beeps
2. Big piece	400 - 3000g	**Big pieces of meat, roast, whole chicken, big pieces of fish** Turn at beeps.

NOTE:
1. When defrosting time is over 60 minutes the time will appear as Hours and Minutes.
2. The shape and size of the food will determine the maximum weight the oven can accommodate.
3. For further information see defrosting guidelines in the cookbook.

Auto Weight Programs

This feature allows you to cook most of your favourite foods by setting the weight only. The oven determines Microwave power level, Grill power and cooking time automatically. Select the category and set the weight of the food. The weight is programmed in grams. For quick selection, the weight starts from the most commonly used weight for each category.

e.g.

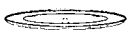
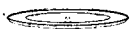
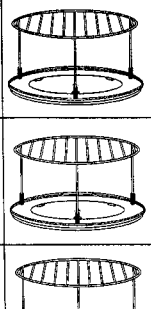
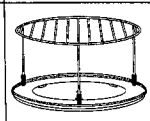
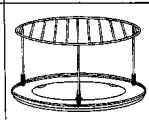
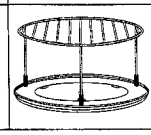


- **Select the desired Auto Weight Program. See page 9.**
- **Set the weight of the food by using the Time/Weight Dial.**
  Turn clockwise weight counts-up in 10g increments.
  Turn anti-clockwise, weight counts down in 10g increments.
  The start prompt will be indicated.
- **Press Start Button.**

NOTE:
1. When cooking time is over 60 minutes, the time will appear as Hours and Minutes.
2. Follow the chart overleaf for the recommended weight and accessories to be used.

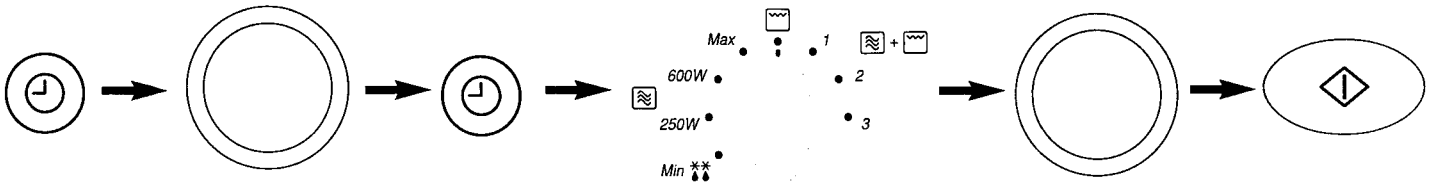
Auto Weight Programs

NN-J458

Category		Recommended Weight	Accessories	Instructions
REHEAT	**Reheat Fresh Casserole** (1 press)	100 - 1000g		**For reheating a plated meal/casserole (chilled not frozen)** All foods should be at refrigerator temperature. Arrange the food evenly, spread solid items out, cover sliced meat with a sauce or gravy. Allow a few minutes standing time.
WEIGHT COOK	**Cook Fresh Vegetables** (1 press)	200 - 1000g		**For cooking fresh vegetables** Place the prepared vegetables in a suitable sized container. Sprinkle with 6 tbsp (90ml) of water. Cover them lightly with pierced cling film or a lid. Large quantities will require stirring at beep.
	Cook Fresh Fish (2 presses)	200 - 1000g		**For cooking fresh fish (whole, fillets and steaks)** Shield the thinner portions and place in a suitable sized container. Add 2 tbsp (30ml) liquid. Cover with pierced cling film or a lid. Large quantities will require turning halfway during cooking.
WEIGHT COMBI	**Pork** (1 press)	800 - 2000g		**For roasting fresh pork** Place in a heat proof dish on Glass Tray. Turn at beep.
	Fresh Chicken Pieces (2 presses)	150 - 1500g		**For cooking fresh chicken pieces e.g. chicken legs, thighs or drumsticks** Place the chicken in a heatproof dish, on Wire Rack, on Glass Tray. For even cooking spread out the chicken and turn at beep.
	Frozen Bread (3 presses)	30 - 600g		**For reheating frozen bread, rolls and croissants** Remove all packaging and place on Wire Rack on Glass Tray. Turn at beep.
	Frozen Gratin/ Lasagne (4 presses)	350 - 450g		**For reheating and browning frozen gratin** Remove all packaging and place in a heat proof dish on Wire Rack on Glass Tray.
	Frozen Potato Products (5 presses)	200 - 450g		**For reheating and browning frozen potato products** Spread out potato products in a heat proof dish on Wire Rack on Glass Tray. Turn at beep. For best results cook in single layer.
PIZZA	**Frozen Pizza** (1 press)	200 - 400g		**For reheating and browning the top of frozen purchased pizza** Remove all packaging and place on Wire Rack on Glass Tray.

Delay Start Cooking

By using the Clock/Timer Button, you are able to program Delay Start cooking.



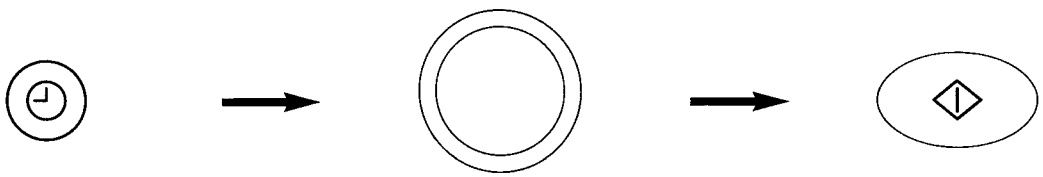
- **Press Clock/Timer Button once.**
- **Set the delay time by turning the Time/Weight Dial.** (up to 9 hours 90 minutes).
- **Press Clock/Timer Button again.**
- **Set the desired cooking program by using Mode Selector Dial and Time/Weight Dial.**
- **Press Start Button.**

NOTE:

1. If the set delay time exceeds one hour, the time will count down in units of minutes. If less than one hour, the time will count down in units of seconds.
2. Delay Start cannot be programmed before any Auto Programs.

Timer

By using the Clock/Timer Button, you can program the oven as a minute timer.



- **Press Clock/Timer Button once.**
- **Set desired amount of time by using the Time/Weight Dial** (up to 9 hours 90 minutes).
- **Press Start Button.**

NOTE:

If the oven door is opened when the Minute Timer is in operation, the time in the display window will continue to count down.

Questions and Answers

Q: Why won't my oven turn on?

A: When the oven does not turn on, check the following:
1. Is the oven plugged in securely? Remove the plug from the outlet, wait 10 seconds and reinsert.
2. Check the circuit breaker and the fuse. Reset the circuit breaker or replace the fuse if it is tripped or blown.
3. If the circuit breaker or fuse is all right, plug another appliance into the outlet. If the other appliance works, there probably is a problem with the oven. If the other appliance does not work, there probably is a problem with the outlet. If it seems that there is a problem with the oven, contact an authorized Service Center.

Q: My microwave oven causes interference with my TV. Is this normal?

A: Some radio and TV interference might occur when you cook with the microwave oven. This interference is similar to the interference caused by small appliances such as mixers, vacuums, blow dryers, etc. It does not indicate a problem with your oven.

Q: The oven won't accept my program. Why?

A: The oven is designed not to accept an incorrect program. For example, the oven will only accept one stage cooking (excluding Delay Start), and will not accept an Auto Weight Program after Delay Start.

Q: Why does my oven light dim?

A: When cooking with a power other than 800W (HIGH Power) the oven must cycle to obtain the lower power levels. The oven light dims and clicking noises can be heard when the oven cycles.

Q: Sometimes warm air comes from the oven vents. Why?

A: The heat given off from the cooking food warms the air in the oven cavity. This warmed air is carried out of the oven by the air flow pattern in the oven. There are no microwaves in the air. The oven vents should never be blocked during cooking.

Q: There are humming and clicking noises from my oven when I cook by COMBINATION. What is causing these noises?

A: The noises occur as the oven automatically switches from MICROWAVE power to GRILL to create the combination setting. This is normal.

Q: "D" appears in the display and the oven does not cook. Why?

A: The oven has programmed DEMO MODE. This mode is designed for retail store display.
Deactivate this mode by pressing Clock Button four times.

Q: Can I use a conventional oven thermometer in the oven?

A: Only when you are using GRILL cooking mode. The metal in some thermometers may cause arcing in your oven and should not be used on MICROWAVE and COMBINATION cooking modes.

Q: My oven has an odour and generates smoke when using the COMBINATION and GRILL function. Why?

A: After repeated use, it is recommended to clean the oven and then run the oven without food, glass tray, and roller ring on Grill for 5 minutes. This will burn off any food, residue or oil which may cause an odour and/or smoking.

Care of Your Oven

1. Turn the oven off before cleaning.
2. Keep the inside of the oven, door seals and door seal areas clean. When food splatters or spilled liquids adhere to the oven walls, door seals and door seal areas wipe off with a damp cloth. Mild detergent may be used if they get very dirty. The use of harsh detergent or abrasive is not recommended.
   DO NOT USE COMMERCIAL OVEN CLEANERS.
3. The outside oven surface should be cleaned with a damp cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
4. If the Control Panel becomes dirty, clean it with a soft, dry cloth. Do not use harsh detergents or abrasives on the Control Panel. When cleaning the Control Panel, leave the oven door open to prevent the oven from accidentally turning on. After cleaning touch STOP/CANCEL Button to clear the display window.
5. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the microwave oven is operated under high humidity conditions and in no way indicates a malfunction of the unit.
6. It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm soapy water or in a dishwasher.
7. The roller ring and oven cavity floor should be cleaned regularly to avoid excessive noise. Simply wipe the bottom surface of the oven with mild detergent and hot water then dry with a clean cloth. The roller ring may be washed in mild soapy water. Cooking vapours collect during repeated use but in no way affects the bottom surface or roller ring wheels. After removing the roller ring from the cavity floor for cleaning, be sure to replace it in the proper position.
8. When using the GRILL or COMBINATION mode, some foods may inevitably splatter grease on to the oven walls. If the oven is not cleaned occasionally, it may start to "smoke" during use.
9. This oven should only be serviced by qualified personnel. For maintenance and repair of the oven contact the nearest authorized dealer.

Technical Specifications

Power Source:	230 V, 50 Hz	
Power Consumption:	Maximum;	1400 W
	Microwave;	1400 W
	Grill;	1140 W
Output:	Microwave;	800 W (IEC-705)
	Grill Heater;	1100 W
Outside Dimensions:	510 (W) x 370 (D) x 305 (H) mm	
Oven Cavity Dimensions:	330 (W) x 330 (D) x 211 (H) mm	
Uncrated Weight:	17.6 kg	

Specifications subject to change without notice.